

NICHOLAS FANTIN

201 W 77th Street | New York, NY 10024 | 248-978-2693 | nfantin@umich.edu

OBJECTIVE

Seeking a position as an analyst with entrepreneurial inclination and strong interest in the energy sector.

EDUCATION

University of Michigan, Ann Arbor, MI

August 2012

Bachelor of Science, Aerospace Engineering

GPA: 3.0/4.0

Relevant Courses

Aerodynamics	Linear Algebra	Statistics
Climate Change Public Policy	Materials & Manufacturing	Solid Mechanics & Aerospace Structures
Electrical Circuits & Systems	Propulsion of Aerospace Vehicles	Space Systems Design
Flight Dynamics & Controls	Performance of Aircraft	Thermodynamics

EXPERIENCE

YouKnowWatt, LLC – Ann Arbor, MI

February 2013 – July 2013

A residential electricity monitoring and analysis service to home energy auditors.

Technical Analyst

- Conducted technical feasibility studies to determine applicability to home energy sector.
- Developed a proof of concept prototype to conduct preliminary testing.

GKN Driveline – Auburn Hills, MI

May 2011 – August 2011

World leader in automotive driveline systems and solutions.

Test Engineering Intern

- Performed destructive and nondestructive testing to verify components operated within specification.
- Conducted post test analysis to investigate failure modes of test specimens.
- Prepared comprehensive technical reports detailing the results of performed testing.
- Facilitated communication between testing operations and application engineering teams.

PROJECT EXPERIENCE

Analysis of Small Satellite Architecture

January 2012 – April 2012

- Tasked to design a mission to a small solar body utilizing a small satellite architecture to perform science.
- Worked in mission-component teams to collectively design the mission and aggregate the subsystems.
- In collaboration with NASA's Jet Propulsion Laboratory.

Semi-truck Fuel Efficiency Study

September 2011 – December 2011

- Designed, simulated, prototyped, and tested a lift generating airfoil to be implemented on semi-trucks.
- Worked in a small team to cohesively and efficiently complete the various stages of the project.
- Compiled results in a formal report and presented findings and recommendations to sponsor company.

Performance of Aircraft & Spacecraft

September 2010 – December 2010

- Designed a Flight Management System using MatLab to keep an aircraft within its flight envelope.
- Conducted orbit analysis of the placement of a satellite into Geostationary orbit using Satellite Tool Kit.

COMPUTER SKILLS

- Advanced proficiency in Microsoft Word, Excel, Powerpoint.
- Knowledge in ArcGIS, MatLab, Maple, NX Unigraphics, R, Satellite Tool Kit, XFOIL.